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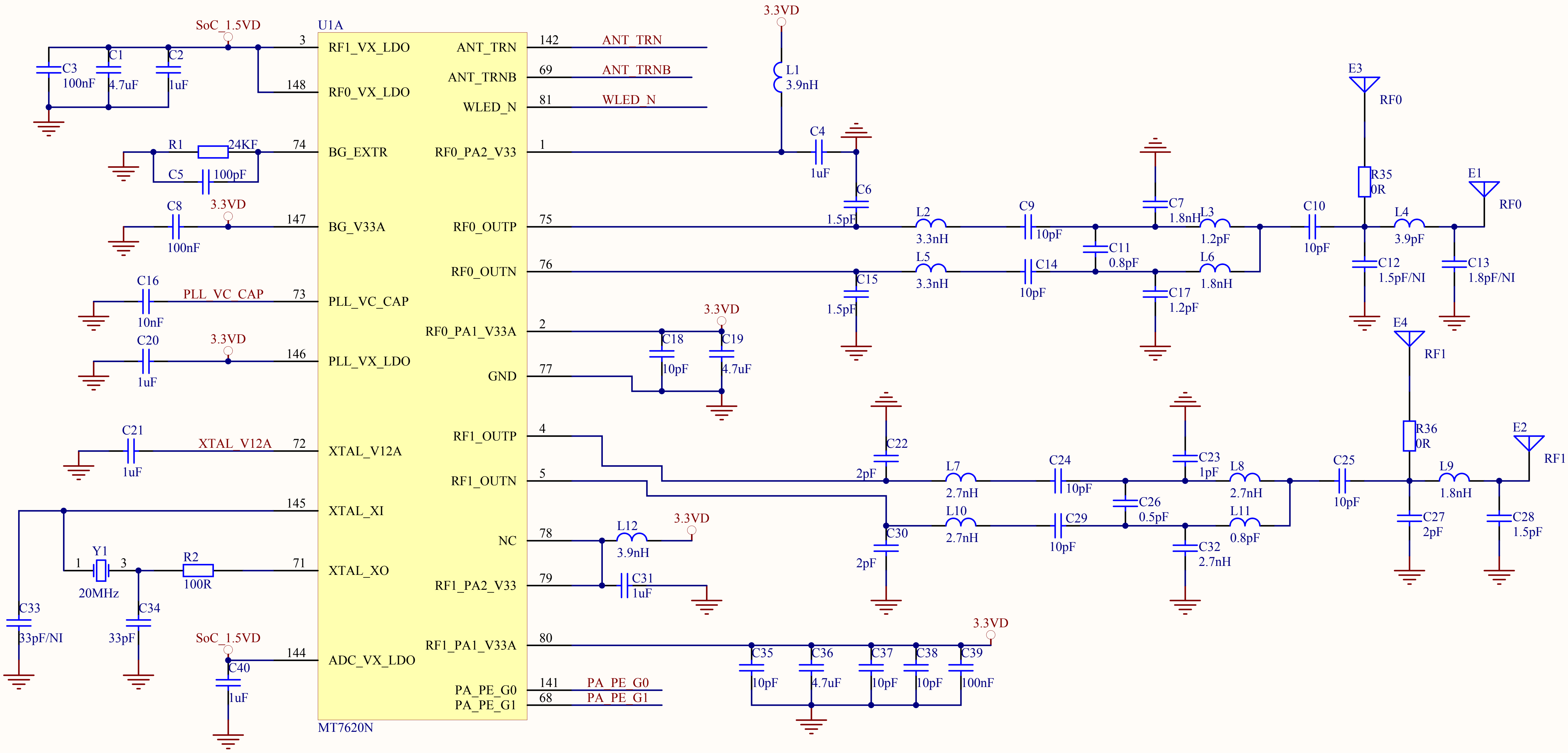
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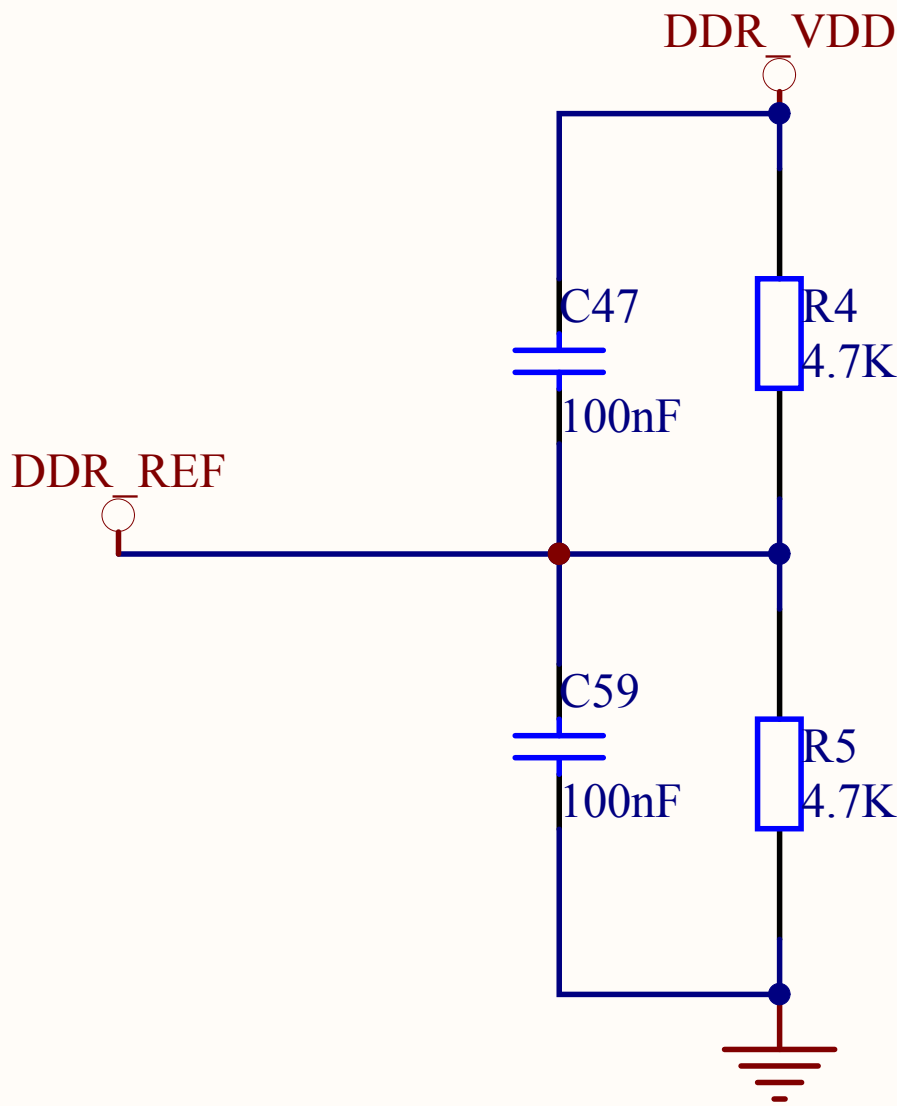
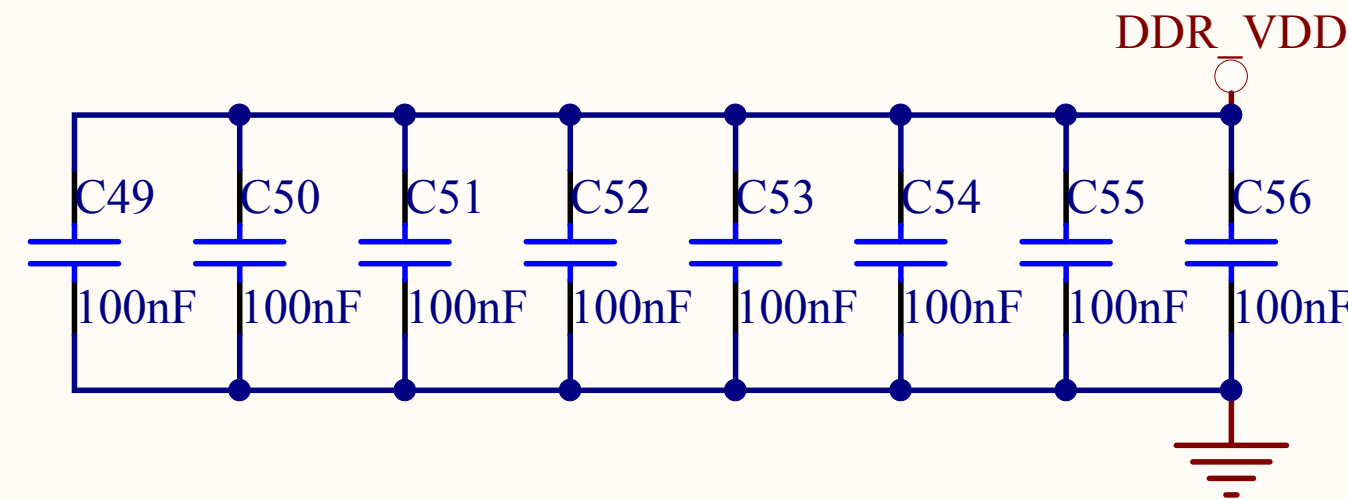
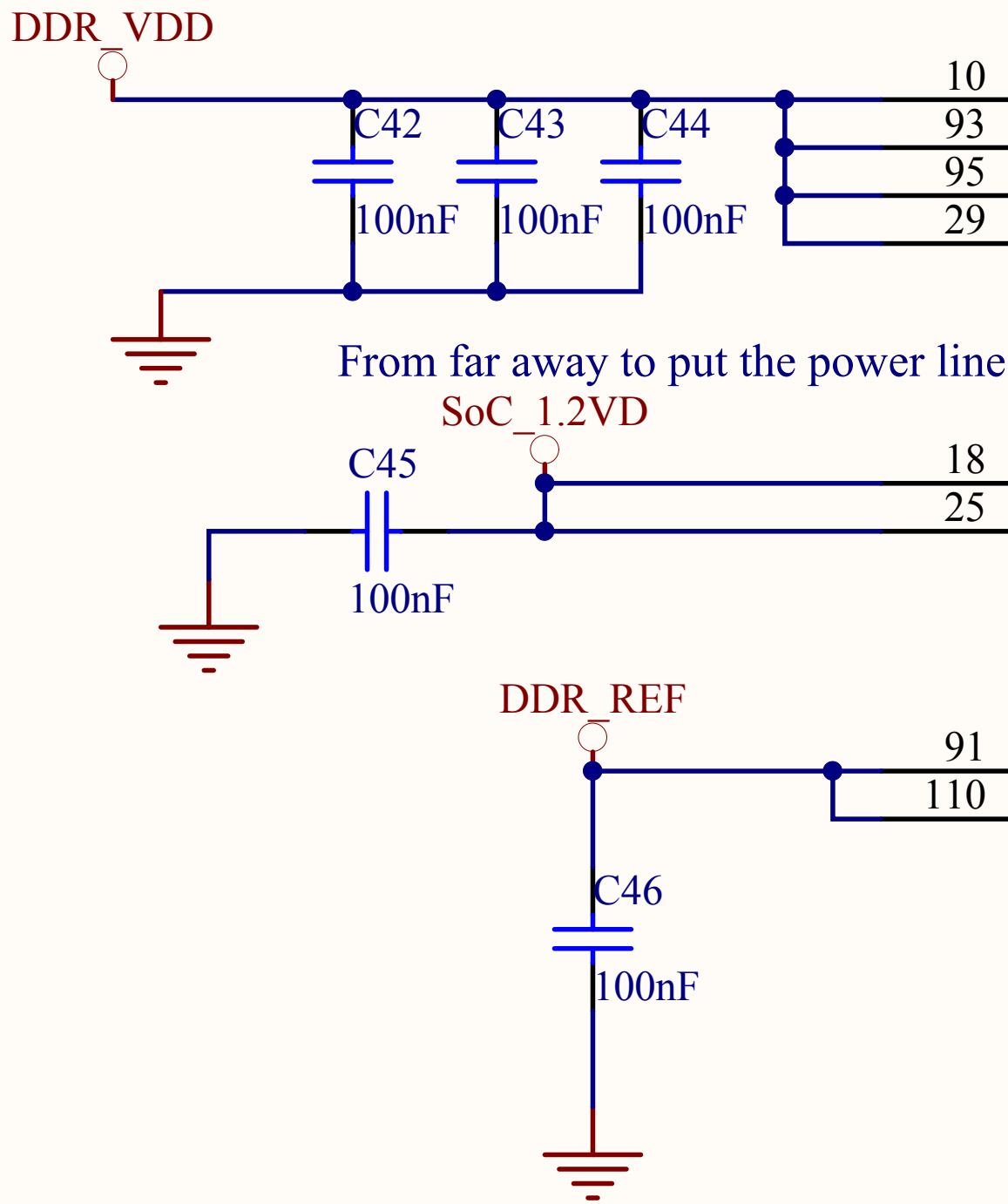
|       |     |
|-------|-----|
| MDQ05 | 23  |
| MDQ02 | 99  |
| MDQ00 | 24  |
| MDQ07 | 100 |
| MDQ06 | 101 |
| MDQ01 | 26  |
| MDQ04 | 102 |
| MDQ03 | 27  |
| MDQ15 | 14  |
| MDQ08 | 88  |
| MDQ13 | 13  |
| MDQ10 | 87  |
| MDQ11 | 12  |
| MDQ12 | 86  |
| MDQ09 | 11  |
| MDQ14 | 85  |

U1B

|             |           |
|-------------|-----------|
| MD5/MD0     | MA5/MA0   |
| MD2/MD1     | MA7/MA1   |
| MD0/MD2     | MA12/MA2  |
| MD7/MD3     | MA9/MA3   |
| MD6/MD4     | MODT/MA4  |
| MD1/MD5     | MRASn/MA5 |
| MD4/MD6     | MCSn/MA6  |
| MD3/MD7     | MCASn/MA7 |
| MD15/MD8    | MA0/MA8   |
| MD8/MD9     | MA2/MA9   |
| MD13/MD10   | MA3/MA10  |
| MD10/MD11   | MA4/MA11  |
| MD12/MD13   | MA6/MA12  |
| MD9/MD14    |           |
| MD14/MD15   |           |
| VDD_DDR     |           |
| VDD_DDR     |           |
| VDD_DDR     |           |
| VDD_DDR     |           |
| V12D_DDR    |           |
| V12D_DDR    |           |
| DDR_IO_VREF |           |
| DDR_IO_VREF |           |

|             |     |       |
|-------------|-----|-------|
| MA5/MA0     | 106 | MA05  |
| MA7/MA1     | 30  | MA07  |
| MA12/MA2    | 105 | MA12  |
| MA9/MA3     | 104 | MA09  |
| MODT/MA4    | 17  | MODT  |
| MRASn/MA5   | 92  | MRASn |
| MCSn/MA6    | 94  | MCSn  |
| MCASn/MA7   | 19  | MCASn |
| MA0/MA8     | 20  | MA00  |
| MA2/MA9     | 96  | MA02  |
| MA3/MA10    | 31  | MA03  |
| MA4/MA11    | 21  | MA04  |
| MA6/MA12    | 97  | MA06  |
| MDQS0       | 103 | MDQS0 |
| MDQS1       | 89  | MDQS1 |
| MDQM0       | 28  | MDQM0 |
| MDQM1       | 15  | MDQM1 |
| MA10/MBA0   | 32  | MA10  |
| MA1/MBA1    | 107 | MA01  |
| MCK_N/MCK_P | 16  |       |
| MCK_P/MCK_N | 90  |       |
| MA8/MCKE    | 22  | MA08  |
| MA11/MODT   | 98  | MA11  |
| MBA0/MRAS_N | 33  | MBA0  |
| MWEn/MCAS_N | 109 | MWEn  |
| MCKE/MWE_N  | 34  | MCKE  |
| MBA1/MCS_N  | 108 | MBA1  |

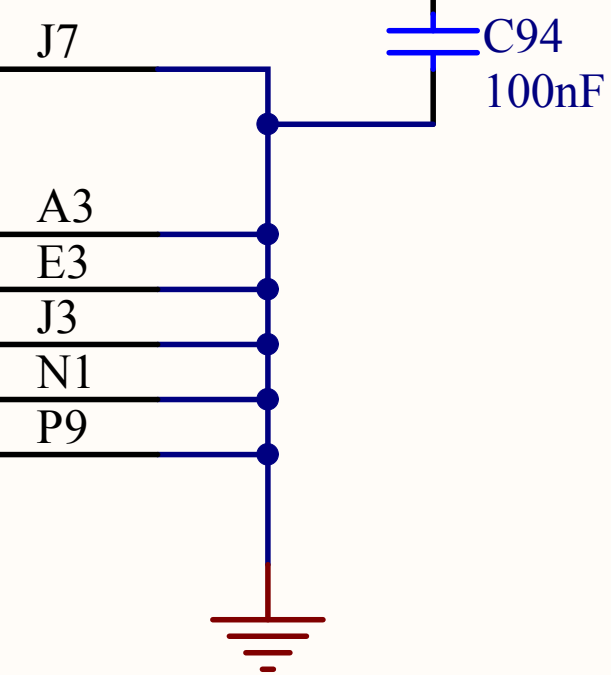
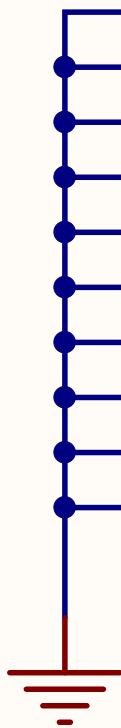
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|        |    |        |       |    |       |
|--------|----|--------|-------|----|-------|
| MA00   | M8 | A0     | DQ0   | G8 | MDQ00 |
| MA01   | M3 | A1     | DQ1   | G2 | MDQ01 |
| MA02   | M7 | A2     | DQ2   | H7 | MDQ02 |
| MA03   | N2 | A3     | DQ3   | H3 | MDQ03 |
| MA04   | N8 | A4     | DQ4   | H1 | MDQ04 |
| MA05   | N3 | A5     | DQ5   | H9 | MDQ05 |
| MA06   | N7 | A6     | DQ6   | F1 | MDQ06 |
| MA07   | P2 | A7     | DQ7   | F9 | MDQ07 |
| MA08   | P8 | A8     | DQ8   | C8 | MDQ08 |
| MA09   | P3 | A9     | DQ9   | C2 | MDQ09 |
| MA10   | M2 | A10/AP | DQ10  | D7 | MDQ10 |
| MA11   | P7 | A11    | DQ11  | D3 | MDQ11 |
| MA12   | R2 | A12    | DQ12  | D1 | MDQ12 |
|        | R8 | A13/NC | DQ13  | D9 | MDQ13 |
|        | R3 | A14/NC | DQ14  | B1 | MDQ14 |
|        | R7 | A15/NC | DQ15  | B9 | MDQ15 |
| MBA0   | L2 | BA0    | VREF  | J2 |       |
| MBA1   | L3 | BA1    | ODT   | K9 | MODT  |
|        | L1 | BA2    |       |    |       |
|        | E8 | LDQS#  | VDDQ  | A9 |       |
|        | A8 | UDQS#  | VDDQ  | E9 |       |
| MDQS0  | F7 | LDQS   | VDDQ  | G1 |       |
| MDQS1  | B7 | UDQS   | VDDQ  | G9 |       |
| MDQM0  | F3 | LDM    | VDDQ  | C9 |       |
| MDQM1  | B3 | UDM    | VDDQ  | G7 |       |
| MCLK_N | K8 | CK#    | VDDQ  | G3 |       |
| MCLK_P | J8 | CK     | VDDQ  | C7 |       |
|        |    |        | VDDQ  | C3 |       |
| MRASn  | K7 | RAS#   | VDDQ  | C1 |       |
| MCASn  | L7 | CAS#   | VDDQ  |    |       |
|        |    |        | VDD   | A1 |       |
|        |    |        | VDD   | E1 |       |
|        |    |        | VDD   | J9 |       |
|        |    |        | VDD   | M9 |       |
|        |    |        | VDD   | R1 |       |
|        |    |        | VDD   |    |       |
|        | B2 | VSSQ   | VDDL  | J1 |       |
|        | H8 | VSSQ   | VSSDL | J7 |       |
|        | H2 | VSSQ   |       |    |       |
|        | A7 | VSSQ   |       | A3 |       |
|        | B8 | VSSQ   |       | E3 |       |
|        | D2 | VSSQ   |       | J3 |       |
|        | D8 | VSSQ   |       | N1 |       |
|        | E7 | VSSQ   |       | P9 |       |
|        | F2 | VSSQ   |       |    |       |
|        | F8 | VSSQ   |       |    |       |

SDRAM-DDRII



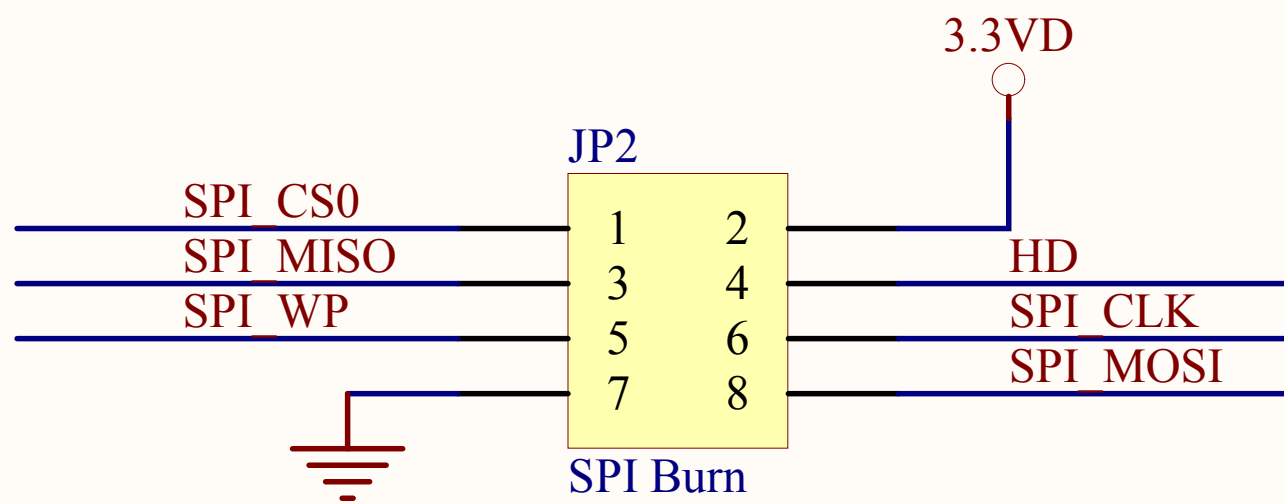
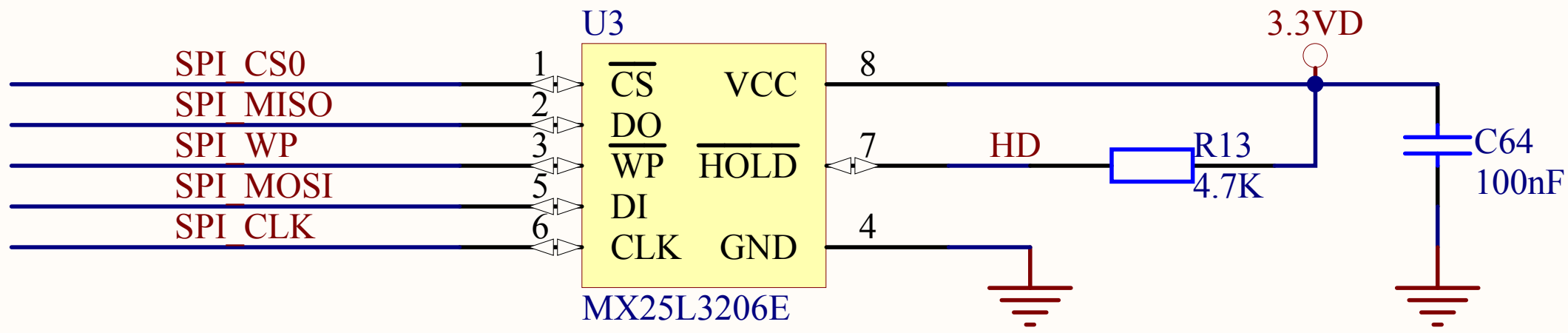
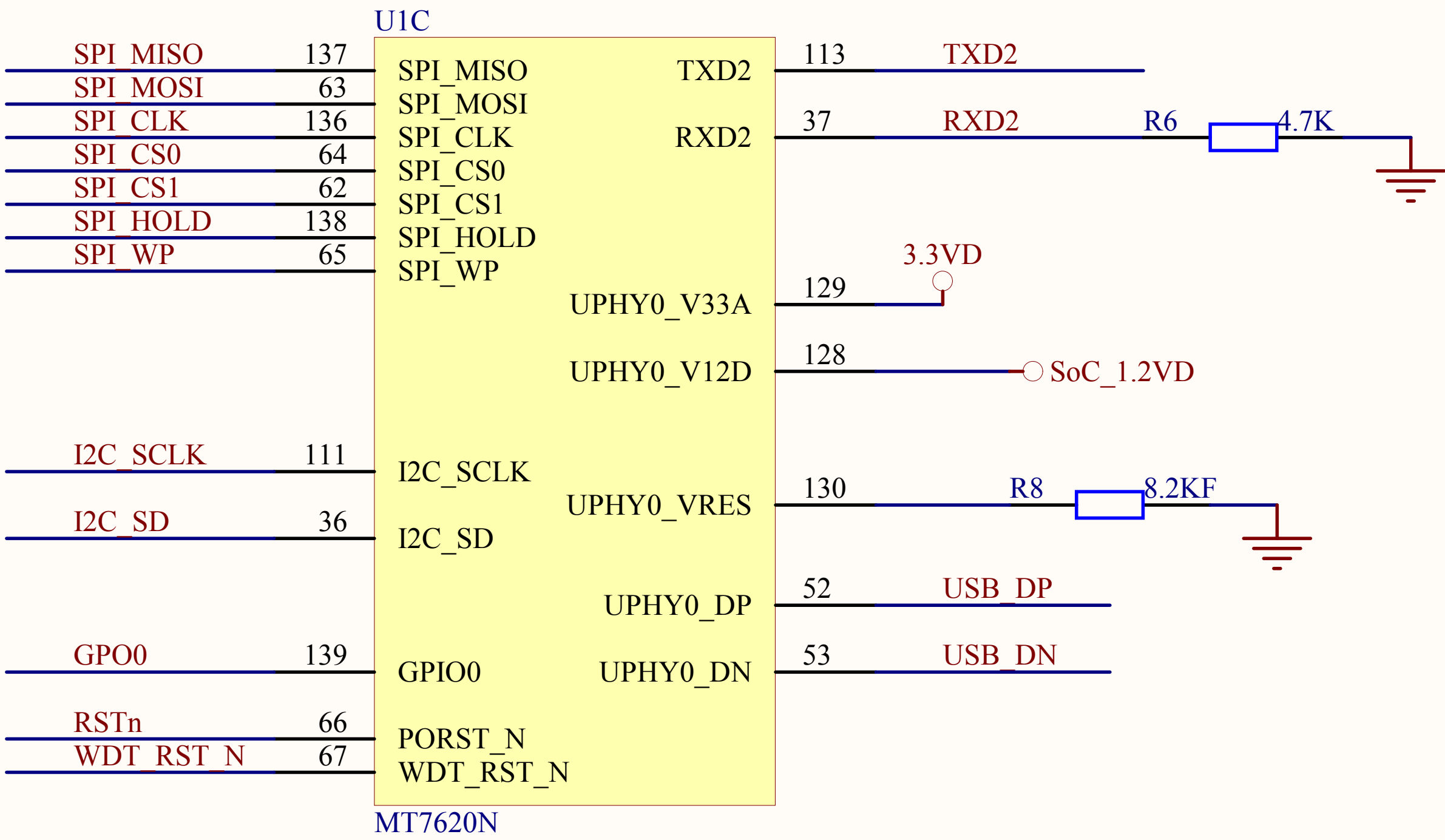
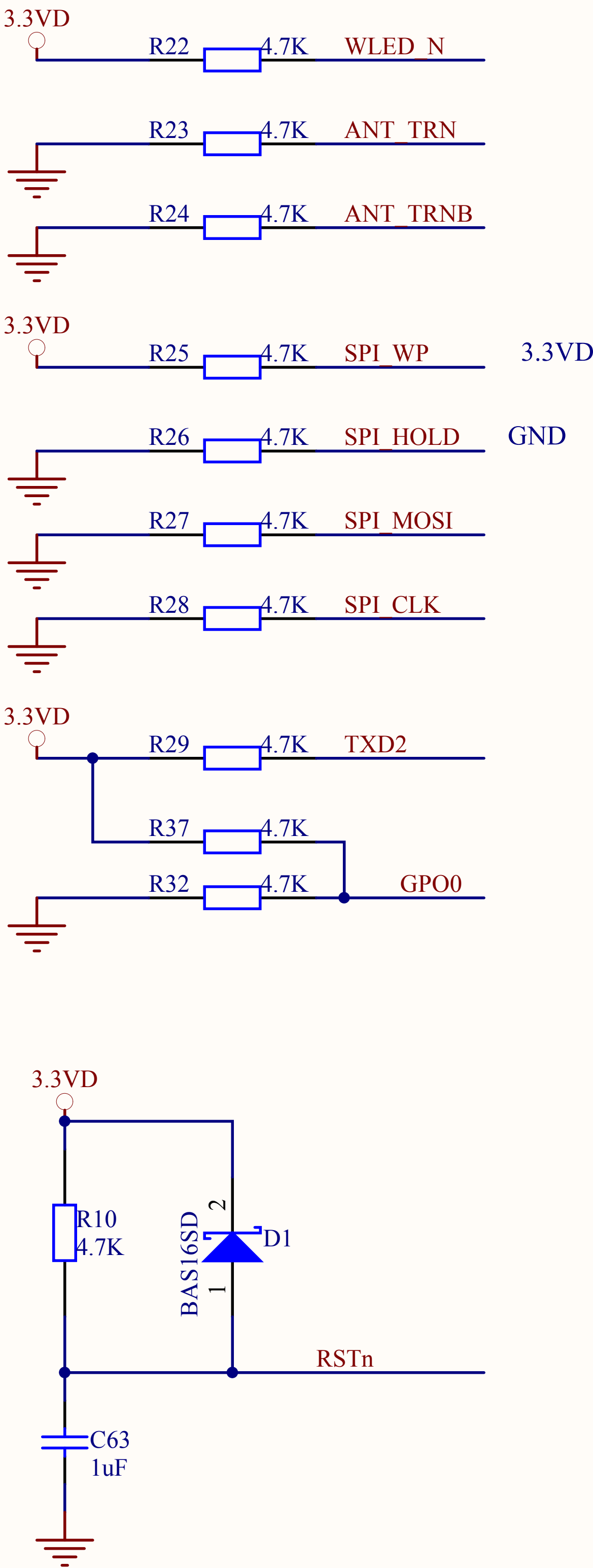
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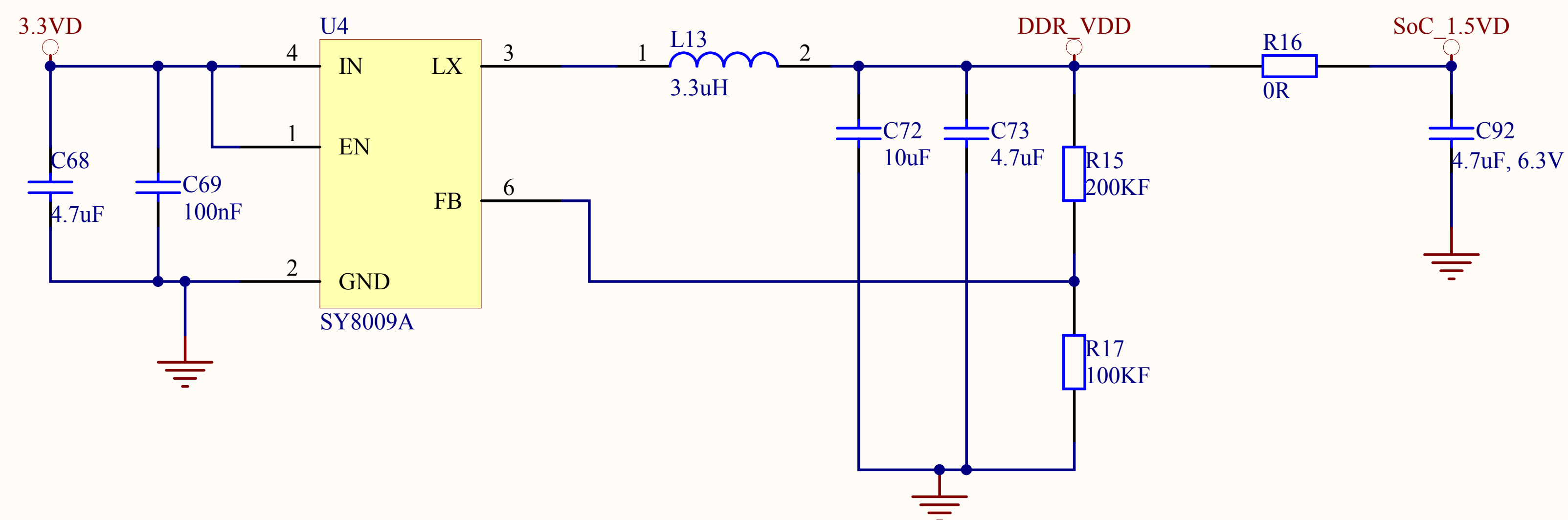
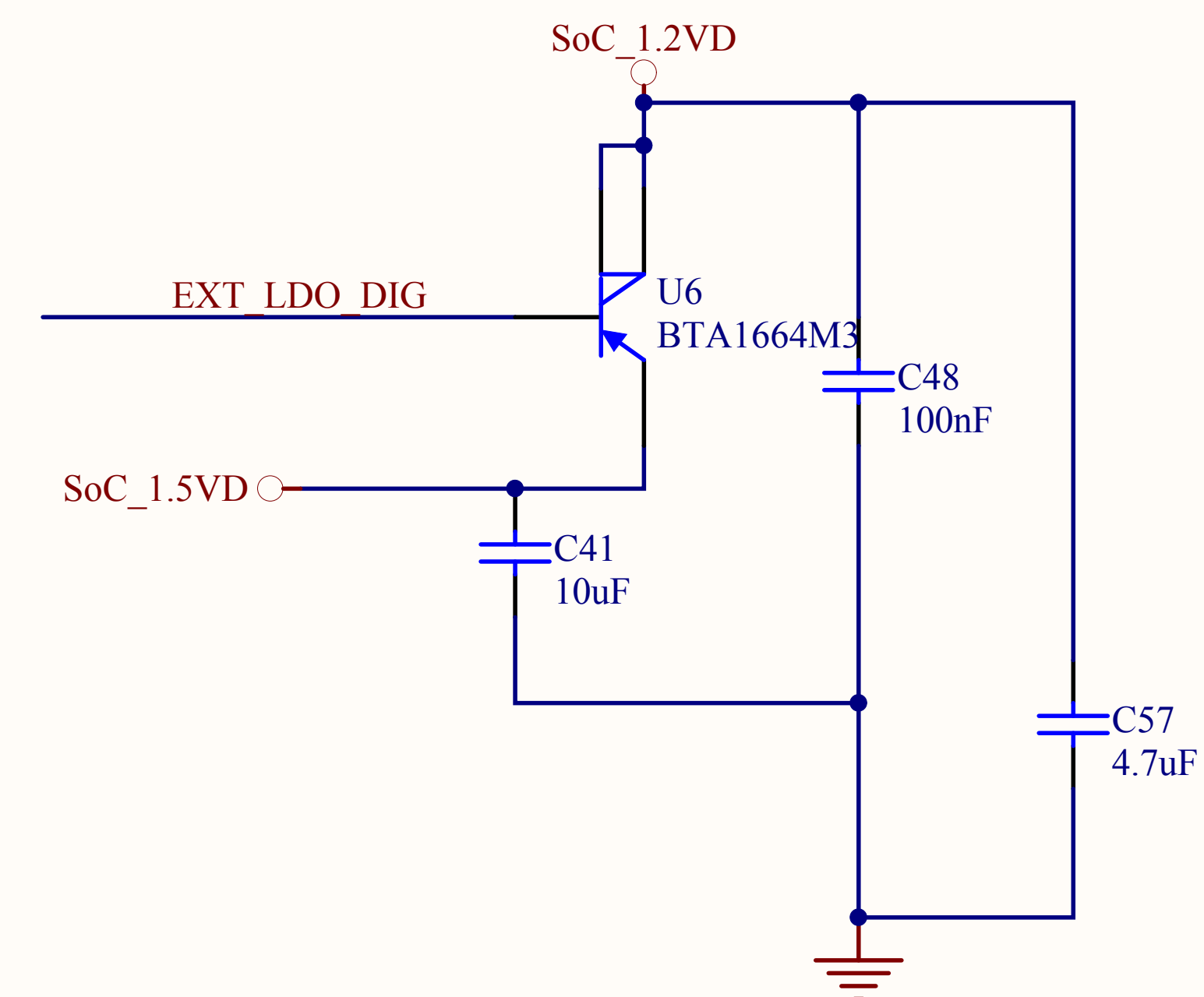
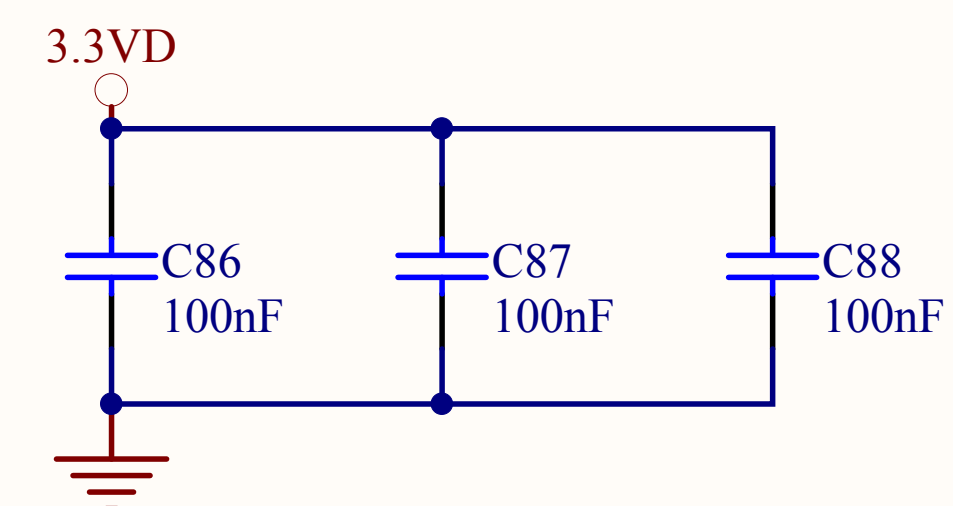
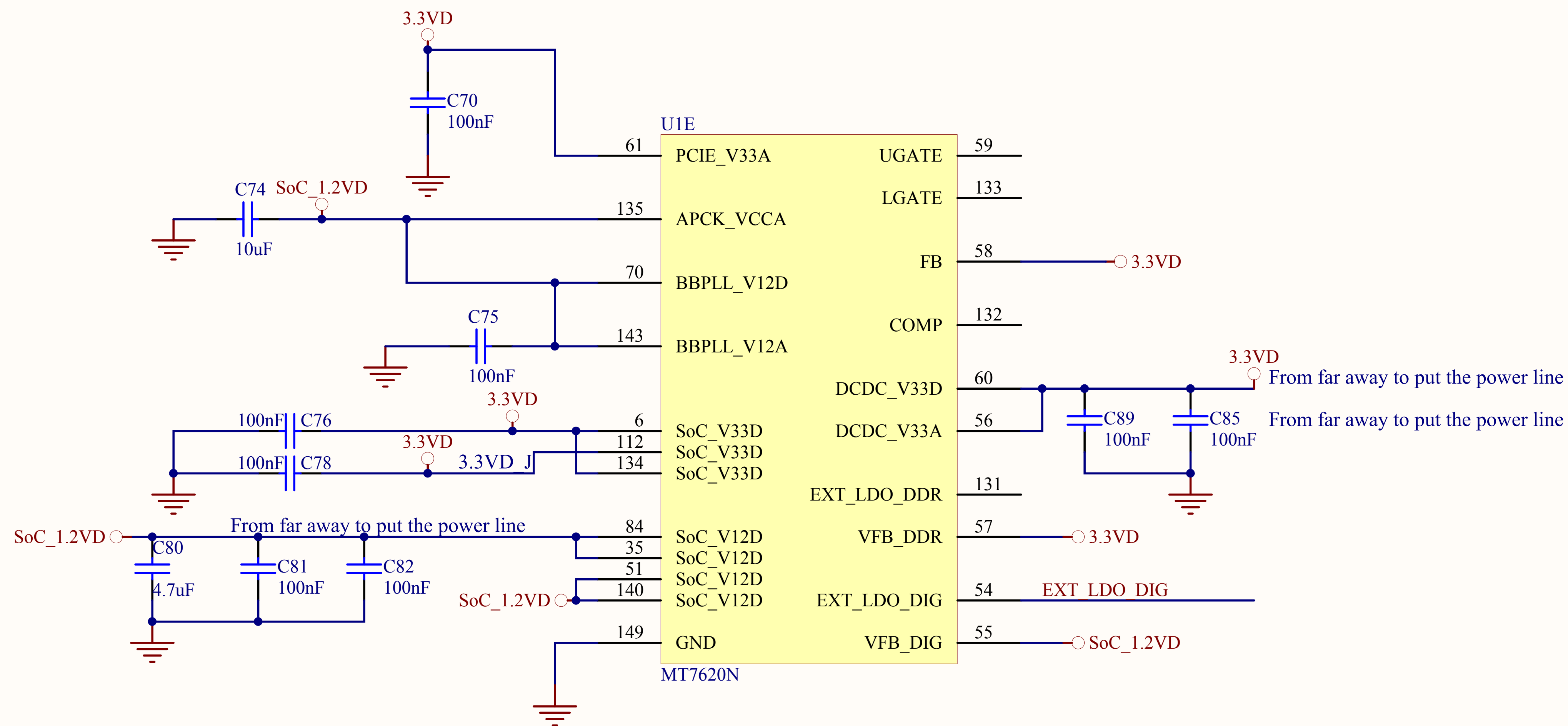
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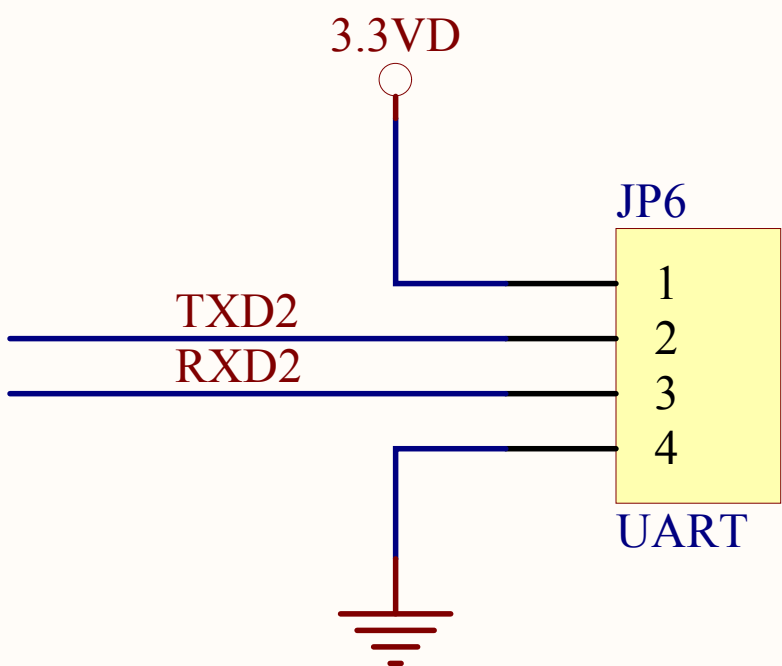
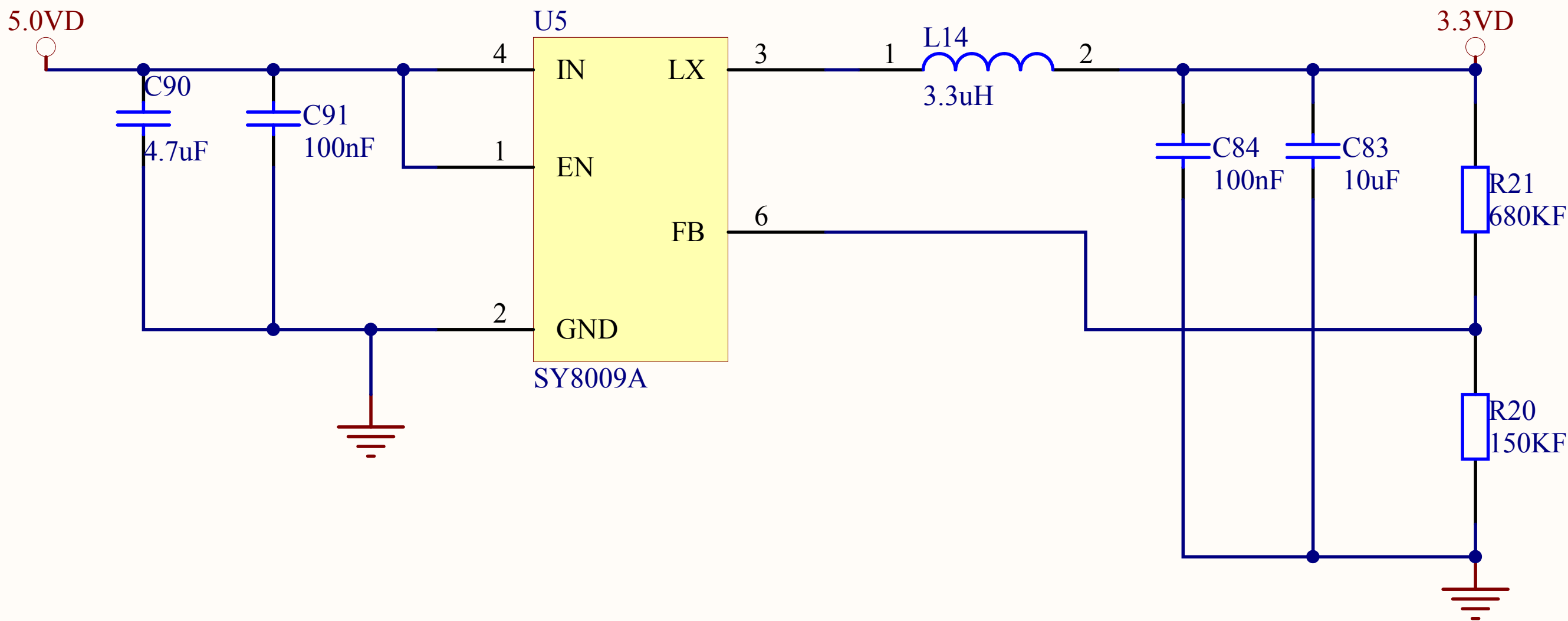
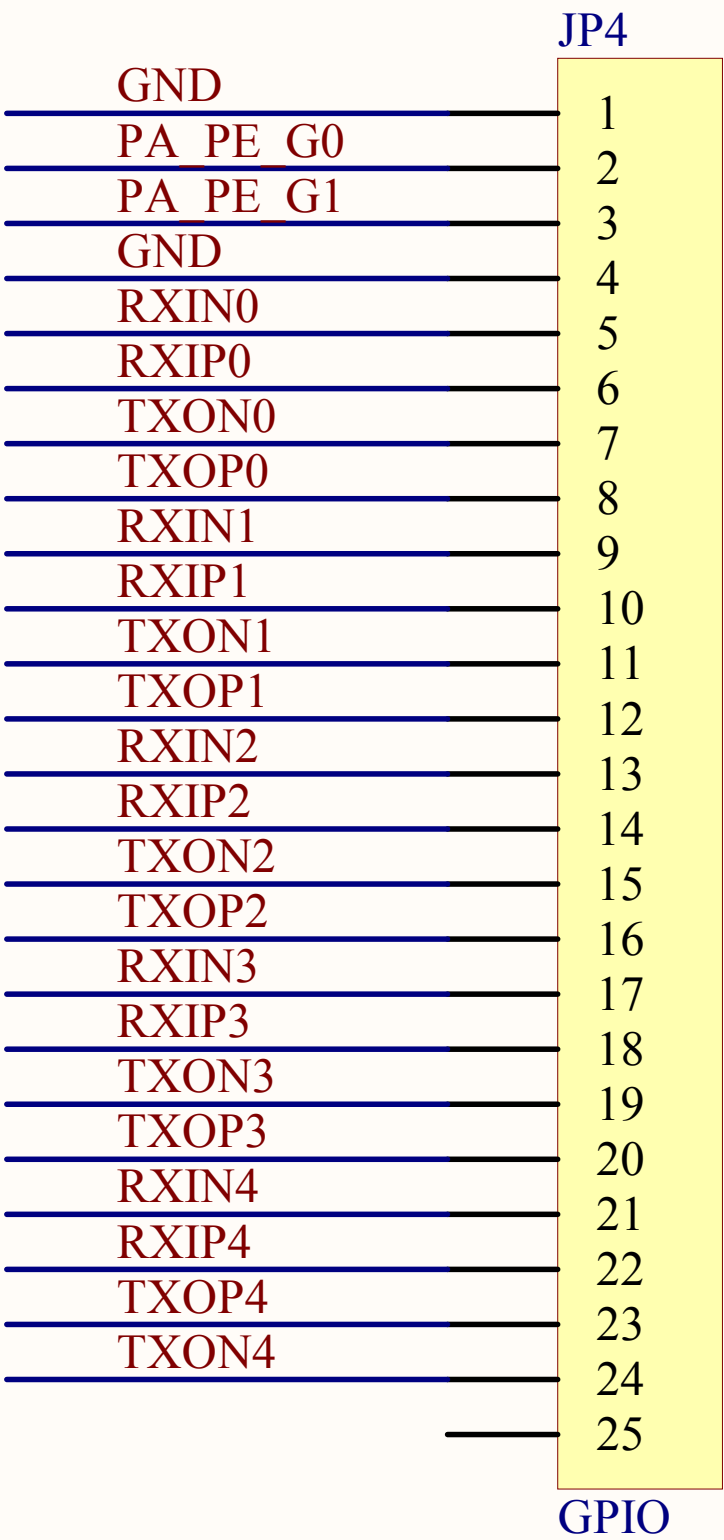
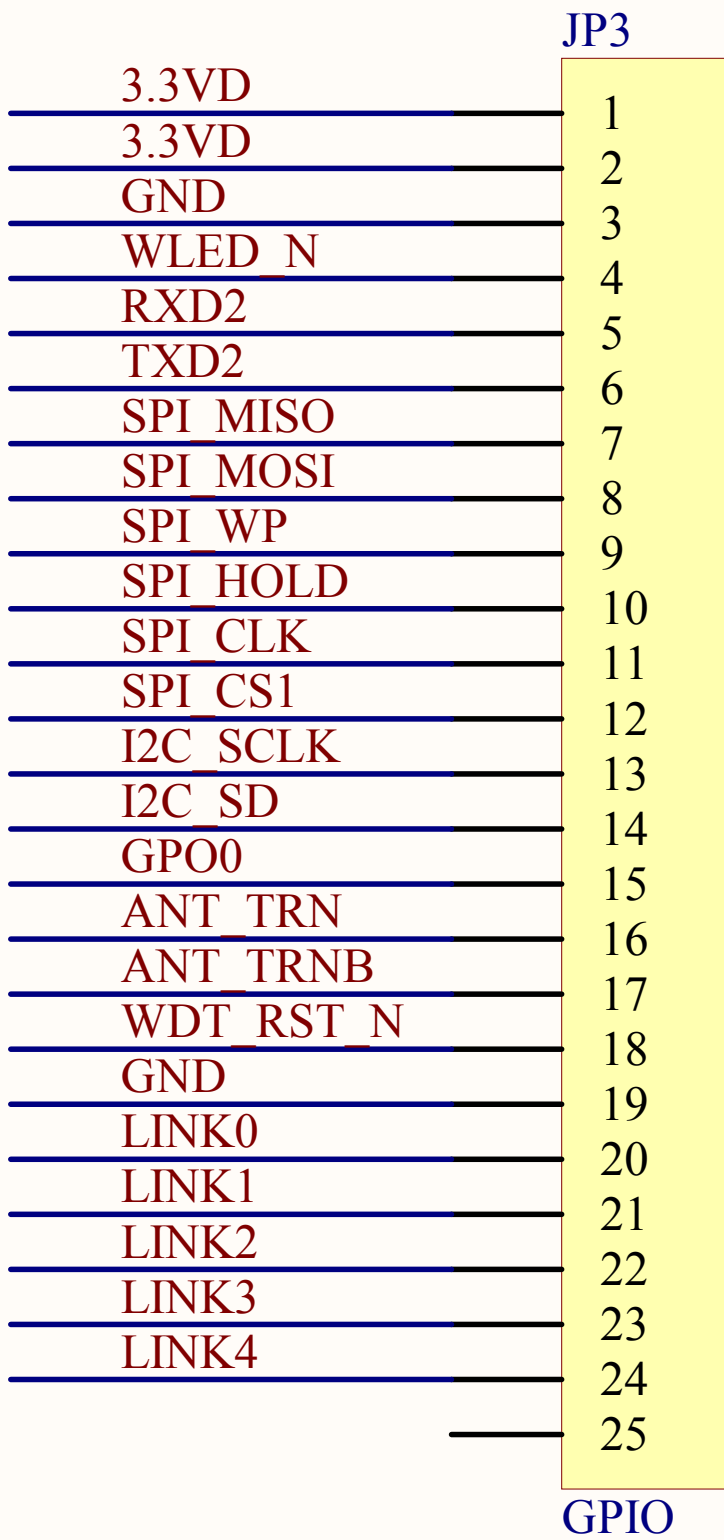
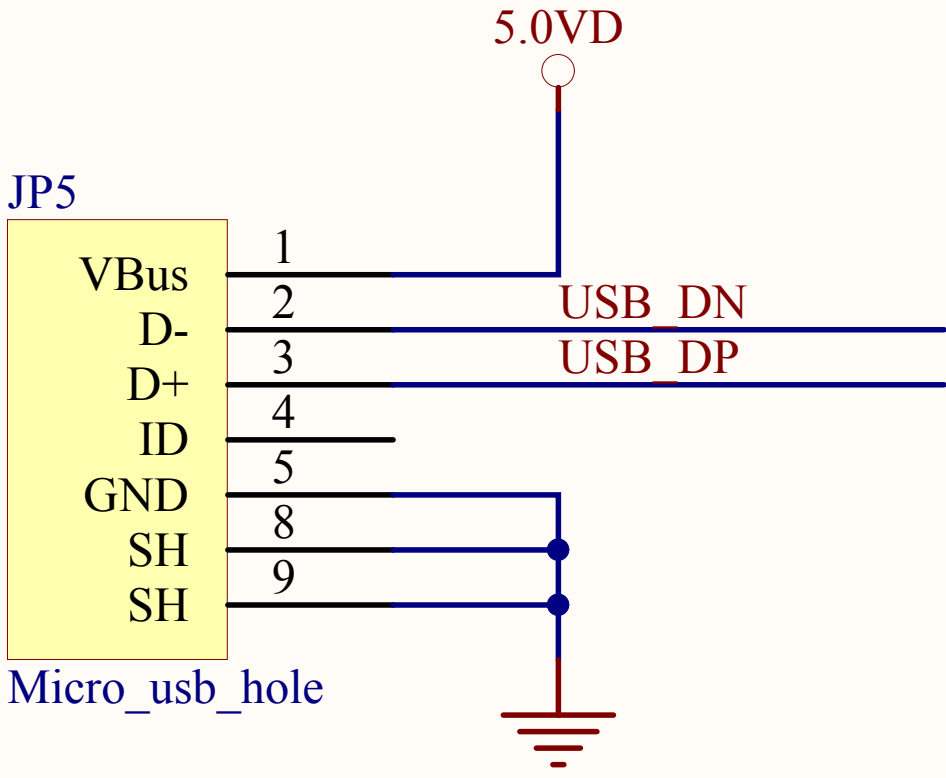
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